

# US 10523794 STN & Dialog

=> d his ful

(FILE 'HOME' ENTERED AT 13:55:50 ON 13 DEC 2007)

FILE 'REGISTRY' ENTERED AT 13:56:33 ON 13 DEC 2007

L1 6 SEA ABB=ON PLU=ON 6(W) (BENZYLIDENE OR DIBENZYLIDENE OR  
BIBENZYLIDENE) (L) ((2(W)5) (2W) PIPERAZINEDIONE)  
L2 8819 SEA ABB=ON PLU=ON PIPERAZINEDION?  
L3 38445 SEA ABB=ON PLU=ON BENZYLIDEN?  
L4 82 SEA ABB=ON PLU=ON L2 (L) L3  
L5 76 SEA ABB=ON PLU=ON L4 NOT L1  
L8 76 SEA ABB=ON PLU=ON L5 AND ((2(W)5) (2W) PIPERAZINEDIONE)

FILE 'STNGUIDE' ENTERED AT 14:27:04 ON 13 DEC 2007

FILE 'REGISTRY' ENTERED AT 14:29:05 ON 13 DEC 2007

L9 192 SEA ABB=ON PLU=ON 6(W) BENZYLIDEN?  
L10 4 SEA ABB=ON PLU=ON L9 AND PIPERAZIN?  
L11 6 SEA ABB=ON PLU=ON L1 OR L10  
L12 2 SEA ABB=ON PLU=ON L8 AND 6(W) PHENYLMETHYLEN?  
L13 8 SEA ABB=ON PLU=ON L12 OR L11  
L14 935389 SEA ABB=ON PLU=ON PIPERAZIN?  
L15 309 SEA ABB=ON PLU=ON L3 AND L14  
L16 7 SEA ABB=ON PLU=ON L15 AND 2(W)5(W) DIONE  
L17 STR  
L19 772 SEA SSS FUL L17  
L20 15 SEA ABB=ON PLU=ON L13 OR L16

FILE 'HCAPLUS' ENTERED AT 15:59:28 ON 13 DEC 2007

L21 68 SEA ABB=ON PLU=ON L20

FILE 'REGISTRY' ENTERED AT 15:59:36 ON 13 DEC 2007

L22 769 SEA ABB=ON PLU=ON L19 NOT L20  
L23 2767 SEA ABB=ON PLU=ON EMULSIFIE? OR FAT OR FATS OR WAX OR WAXES  
L24 234 SEA ABB=ON PLU=ON STABILIZER/BI  
L25 583 SEA ABB=ON PLU=ON DYE OR DYES

FILE 'HCAPLUS' ENTERED AT 16:27:00 ON 13 DEC 2007

L26 129 SEA ABB=ON PLU=ON L22  
L27 1078440 SEA ABB=ON PLU=ON L23 OR EMULSIFYING AGENTS/CV OR EMULSIFIERS  
/CV OR EMULSIFYING AGENT/CV OR SURFACTANT EMULSIFYING AGENTS/CV  
OR ?EMULSIF? OR FATS AND GLYCERIDIC OILS/CV OR FAT OR  
WAXES/CV OR WAX OR WAXES OR (BEESWAX/CV OR "CANDELILLA WAX"/CV  
OR "CARNAUBA WAX"/CV OR "CETYL PALMITATE"/CV OR "FOSSIL  
WAXES"/CV OR OZOCERITE/CV OR "HYDROCARBON WAXES"/CV OR  
"PARAFFIN WAXES"/CV OR CERESIN/CV OR OZOCERITE/CV OR "JOJOBA  
OIL"/CV OR "MONTAN WAX"/CV OR "STEARYL STEARATE"/CV OR "WOOL  
WAX"/CV OR LANOLIN/CV OR "FATS AND GLYCERIDIC OILS"/CV OR  
OILS/CV)  
L28 568360 SEA ABB=ON PLU=ON L24 OR "STABILIZING AGENTS"/CV OR STABILIZE  
RS/CV OR ?STABILIZ?  
E THICKENER/CV  
L29 14646 SEA ABB=ON PLU=ON ("THICKENING AGENTS"/CV OR THICKENER/CV)  
OR (THICKENERS/CV OR "THICKENERS (MATERIALS)"/CV OR VISCOSIFIER  
S/CV OR THICKENING/CV) OR TICKEN? OR VISCOSIF?  
L30 419874 SEA ABB=ON PLU=ON L25 OR ("DYES (L) COSMETIC"/CV OR "COSMETIC  
S AND PERSONAL CARE PRODUCTS (L) COSMETIC DYES"/CV OR "DYES

# US 10523794 STN & Dialog

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(L) COSMETIC DYES"/CV) OR DYE OR DYES
L31      52846 SEA ABB=ON  PLU=ON  "OPTICAL MATERIALS"/CV OR PEARL/CV OR
        ?PEARL?
L32      2 SEA ABB=ON  PLU=ON  (L21 OR L26) AND L27
L33      0 SEA ABB=ON  PLU=ON  (L21 OR L26) AND L28
L34      0 SEA ABB=ON  PLU=ON  (L21 OR L26) AND L29
L35      14 SEA ABB=ON  PLU=ON  (L21 OR L26) AND L30
L36      0 SEA ABB=ON  PLU=ON  (L21 OR L26) AND L31
L37      474675 SEA ABB=ON  PLU=ON  SKIN/CV OR "SKIN EXTRACTS"/CV OR SCALP/CV
        OR ("DERMATOLOGICAL AGENTS"/CV OR DERMATOLOGY/CV) OR ?SKIN? OR
        ?DERM?
L38      4 SEA ABB=ON  PLU=ON  (L21 OR L26) AND L37
L39      121 SEA ABB=ON  PLU=ON  ?BENZYLIDEN?(L)?PIPERAZIN?(L)?DIONE?
L40      2 SEA ABB=ON  PLU=ON  L39 AND (L27 OR L28 OR L29 OR L30 OR L31)
L41      4 SEA ABB=ON  PLU=ON  L39 AND L37
L42      23 SEA ABB=ON  PLU=ON  L32 OR L33 OR L34 OR L35 OR L36 OR L38 OR
        L40 OR L41
        D STAT QUE L42
        D IBIB ABS HITSTR L42 1-23
L43      45 SEA ABB=ON  PLU=ON  ("HEIDENFELDER T"/AU OR "HEIDENFELDER
        THOMAS"/AU)
L44      29 SEA ABB=ON  PLU=ON  ("TIEFENSEE K"/AU OR "TIEFENSEE KIRSTIN"/AU
        OR "TIEFENSEE KRISTIN"/AU)
L45      6 SEA ABB=ON  PLU=ON  ("WUNSCH T F"/AU OR "WUNSCH THOMAS"/AU)
L46      1169 SEA ABB=ON  PLU=ON  "PARKER ROBERT"/AU OR PARKER ROBERT ?/AU
        OR PARKER R/AU OR PARKER R ?/AU
L47      4 SEA ABB=ON  PLU=ON  L43 AND (L44 OR L45 OR L46)
L48      0 SEA ABB=ON  PLU=ON  L44 AND (L45 OR L46)
L49      0 SEA ABB=ON  PLU=ON  (L43 OR L44 OR L45 OR L46) AND (L21 AND
        L26)
L50      0 SEA ABB=ON  PLU=ON  (L43 OR L44 OR L45 OR L46) AND L39
L51      27 SEA ABB=ON  PLU=ON  (L43 OR L44 OR L45 OR L46) AND (?BENZYLIDEN
        ? OR ?PIPERAZIN? OR ?DIONE?)
L52      87481 SEA ABB=ON  PLU=ON  (COSMETICS/CV OR "COSMETICS AND PERSONAL
        CARE PRODUCTS"/CV) OR ?COSMETIC?
L53      5 SEA ABB=ON  PLU=ON  L51 AND (L52 OR L37)
L54      9 SEA ABB=ON  PLU=ON  (L47 OR L48 OR L49 OR L50 OR L53) NOT L42
        D STAT QUE L54
        D IBIB ABS HITSTR L54 1-9

```

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 12 DEC 2007 HIGHEST RN 957825-32-0  
DICTIONARY FILE UPDATES: 12 DEC 2007 HIGHEST RN 957825-32-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and

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predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

FILE STNGUIDE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Dec 7, 2007 (20071207/UP).

FILE HCAPLUS

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FILE COVERS 1907 - 13 Dec 2007 VOL 147 ISS 25

FILE LAST UPDATED: 12 Dec 2007 (20071212/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 16:27:00 ON 13 DEC 2007

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 13 Dec 2007 VOL 147 ISS 25

FILE LAST UPDATED: 12 Dec 2007 (20071212/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

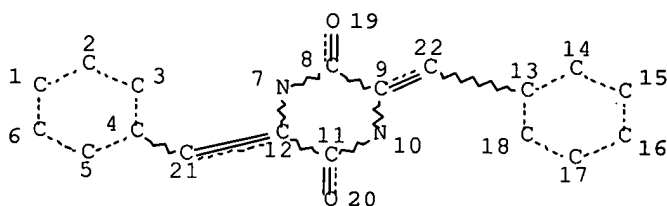
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=>

# US 10523794 STN & Dialog

=> d stat que 142

```
L1      6 SEA FILE=REGISTRY ABB=ON  PLU=ON  6(W) (BENZYLIDENE OR DIBENZYLIDENE OR BIBENZYLIDENE) (L) ((2(W) 5) (2W) PIPERAZINEDIONE)
L2      8819 SEA FILE=REGISTRY ABB=ON  PLU=ON  PIPERAZINEDION?
L3      38445 SEA FILE=REGISTRY ABB=ON  PLU=ON  BENZYLIDEN?
L4      82 SEA FILE=REGISTRY ABB=ON  PLU=ON  L2 (L) L3
L5      76 SEA FILE=REGISTRY ABB=ON  PLU=ON  L4 NOT L1
L8      76 SEA FILE=REGISTRY ABB=ON  PLU=ON  L5 AND ((2(W) 5) (2W) PIPERAZINE DIONE)
L9      192 SEA FILE=REGISTRY ABB=ON  PLU=ON  6(W) BENZYLIDEN?
L10     4 SEA FILE=REGISTRY ABB=ON  PLU=ON  L9 AND PIPERAZIN?
L11     6 SEA FILE=REGISTRY ABB=ON  PLU=ON  L1 OR L10
L12     2 SEA FILE=REGISTRY ABB=ON  PLU=ON  L8 AND 6(W) PHENYLMETHYLEN?
L13     8 SEA FILE=REGISTRY ABB=ON  PLU=ON  L12 OR L11
L14     935389 SEA FILE=REGISTRY ABB=ON  PLU=ON  PIPERAZIN?
L15     309 SEA FILE=REGISTRY ABB=ON  PLU=ON  L3 AND L14
L16     7 SEA FILE=REGISTRY ABB=ON  PLU=ON  L15 AND 2(W) 5(W) DIONE
L17     STR
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NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE

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L19     772 SEA FILE=REGISTRY SSS FUL L17
L20     15 SEA FILE=REGISTRY ABB=ON  PLU=ON  L13 OR L16
L21     68 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L20
L22     769 SEA FILE=REGISTRY ABB=ON  PLU=ON  L19 NOT L20
L23     2767 SEA FILE=REGISTRY ABB=ON  PLU=ON  EMULSIFIE? OR FAT OR FATS OR WAX OR WAXES
L24     234 SEA FILE=REGISTRY ABB=ON  PLU=ON  STABILIZER/BI
L25     583 SEA FILE=REGISTRY ABB=ON  PLU=ON  DYE OR DYES
L26     129 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L22
L27     1078440 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L23 OR EMULSIFYING AGENTS/CV OR EMULSIFIERS/CV OR EMULSIFYING AGENT/CV OR SURFACTANT EMULSIFYING AGENTS/CV OR ?EMULSIF? OR FATS AND GLYCIDIC OILS/CV OR FAT OR WAXES/CV OR WAX OR WAXES OR (BEESWAX/CV OR "CANDELILLA WAX"/CV OR "CARNAUBA WAX"/CV OR "CETYL PALMITATE"/CV OR "FOSSIL WAXES"/CV OR OZOCERITE/CV OR "HYDROCARBON WAXES"/CV OR "PARAFFIN WAXES"/CV OR CERESIN/CV OR OZOCERITE/CV OR "JOJOBA OIL"/CV OR "MONTAN WAX"/CV OR "STEARYL STEARATE"/CV OR "WOOL WAX"/CV OR LANOLIN/CV OR "FATS AND GLYCIDIC OILS"/CV OR OILS/CV)
L28     568360 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L24 OR "STABILIZING AGENTS"/CV
```

# US 10523794 STN & Dialog

OR STABILIZERS/CV OR ?STABILIZ?

L29 14646 SEA FILE=HCAPLUS ABB=ON PLU=ON ("THICKENING AGENTS"/CV OR THICKENER/CV) OR (THICKENERS/CV OR "THICKENERS (MATERIALS)"/CV OR VISCOSIFIERS/CV OR THICKENING/CV) OR TICKEN? OR VISCOSIF?

L30 419874 SEA FILE=HCAPLUS ABB=ON PLU=ON L25 OR ("DYES (L) COSMETIC"/CV OR "COSMETICS AND PERSONAL CARE PRODUCTS (L) COSMETIC DYES"/CV OR "DYES (L) COSMETIC DYES"/CV) OR DYE OR DYES

L31 52846 SEA FILE=HCAPLUS ABB=ON PLU=ON "OPTICAL MATERIALS"/CV OR PEARL/CV OR ?PEARL?

L32 2 SEA FILE=HCAPLUS ABB=ON PLU=ON (L21 OR L26) AND L27

L33 0 SEA FILE=HCAPLUS ABB=ON PLU=ON (L21 OR L26) AND L28

L34 0 SEA FILE=HCAPLUS ABB=ON PLU=ON (L21 OR L26) AND L29

L35 14 SEA FILE=HCAPLUS ABB=ON PLU=ON (L21 OR L26) AND L30

L36 0 SEA FILE=HCAPLUS ABB=ON PLU=ON (L21 OR L26) AND L31

L37 474675 SEA FILE=HCAPLUS ABB=ON PLU=ON SKIN/CV OR "SKIN EXTRACTS"/CV OR SCALP/CV OR ("DERMATOLOGICAL AGENTS"/CV OR DERMATOLOGY/CV) OR ?SKIN? OR ?DERM?

L38 4 SEA FILE=HCAPLUS ABB=ON PLU=ON (L21 OR L26) AND L37

L39 121 SEA FILE=HCAPLUS ABB=ON PLU=ON ?BENZYLIDEN?(L)?PIPERAZIN?(L)? DIONE?

L40 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L39 AND (L27 OR L28 OR L29 OR L30 OR L31)

L41 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L39 AND L37

L42 23 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 OR L33 OR L34 OR L35 OR L36 OR L38 OR L40 OR L41

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=> d ibib abs hitstr 142 1-23

L42 ANSWER 1 OF 23 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2007:383767 HCAPLUS Full-text

DOCUMENT NUMBER: 146:380317

TITLE: Preparation of dehydrophenylahistins and analogs for treating vascular proliferation

INVENTOR(S): Palladino, Michael; Lloyd, George Kenneth; Hayashi, Yoshio

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 204pp., Cont.-in-part of U.S. Ser. No. 51,268.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 5

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2007078138	A1	20070405	US 2006-524772	20060920
US 2005090667	A1	20050428	US 2003-632531	20030801
US 7064201	B2	20060620		
US 2005197344	A1	20050908	US 2005-51268	20050204
ZA 2005001616	A	20050905	ZA 2005-1616	20050224
US 2006217553	A1	20060928	US 2006-448948	20060607
US 2006223822	A1	20061005	US 2006-448283	20060607
US 2006223823	A1	20061005	US 2006-448924	20060607

US 10523794 STN & Dialog

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Although activation of delta-opioid receptors is known to induce both early and late preconditioning (PC) against myocardial infarction, the mechanisms for this salubrious effect are unclear. Furthermore, it is unknown whether delta-opioid receptors can also induce late PC against myocardial stunning. By using conscious rabbits (n = 120) in this study, we found that the delta-opioid receptor agonist (+/-)-4-[(alpha-R\*)-alpha-[(2S\*,5R\*)-4-allyl-2,5-dimethyl-1-piperazinyl]-3-hydroxybenzyl]-N,N-diethylbenzamide (BW-373U86) induced late PC against myocardial stunning 24 h after treatment and that this effect was abolished by the selective cyclooxygenase-2 (COX-2) inhibitors N-[2-(cyclohexyloxy)4-nitrophenyl]methanesulfonamide (NS-398) and celecoxib. This \*protective\* effect was also abrogated by the selective delta(1)-opioid receptor antagonist 7-\*benzylidenenaltrexone\*, indicating that the delta(1)-opioid receptor is necessary for BW-373U86-induced late PC. BW-373U86 did not induce early PC against stunning. In addition, BW-373U86 induced late PC against infarction, which was blocked by NS-398. At 24 h after BW-373U86 administration, myocardial COX-2 protein expression and PGE(2) and 6-keto-PGF(1alpha) levels were significantly increased. These results demonstrate that activation of delta-opioid receptors induces late PC against both stunning and infarction via a COX-2-dependent mechanism.

5/AB/2 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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04199366 PMID: 1263090

Synthesis of N,N'-bis(3-substituted benzylideneaminopropyl)-piperazines and their anti-inflammatory, antiproteolytic, and anticonvulsant properties.

Chaturvedi A K; Sastry B V; Chaudhari A; Parmar S S

Journal of pharmaceutical sciences (UNITED STATES) Mar 1976, 65 (3) p409-12, ISSN 0022-3549--Print Journal Code: 2985195R

Publishing Model Print

Document type: In Vitro; Journal Article; Research Support, U.S. Gov't, P.H.S.

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Some N,N'-bis(3-substituted \*benzylideneaminopropyl\*) \*piperazines\* were synthesized and characterized by their sharp melting points and elemental analyses. These substituted \*piperazines\* possessed anti-inflammatory activity, and the \*protection\* afforded by these compounds against carrageenan-induced edema ranged from 23 to 67%. The antiproteolytic activity of these \*piperazines\* was reflected by their ability to inhibit in vitro hydrolysis of bovine serum albumin and casein by trypsin. The inhibition of trypsin-induced hydrolysis was concentration dependent and competitive in nature.

5/AB/3 (Item 1 from file: 98)

DIALOG(R)File 98:General Sci Abs

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05100856 H.W. WILSON RECORD NUMBER: BGSA03100856

d-Opioid receptor-induced late preconditioning is mediated by

cyclooxygenase-2 in conscious rabbits.

Kodani, Eitaro

Xuan, Yu-Ting; Shinmura, Ken

American Journal of Physiology (Am J Physiol) v. 283 no5 (Nov. 2002 pt2) p.  
H1943-H1957

DOCUMENT TYPE: Feature Article

SPECIAL FEATURES: bibl graph il tab ISSN: 0002-9513

LANGUAGE: English

COUNTRY OF PUBLICATION: United States

**ABSTRACT:** Although activation of d-opioid receptors is known to induce both early and late preconditioning (PC) against myocardial infarction, the mechanisms for this salubrious effect are unclear. Furthermore, it is unknown whether d-opioid receptors can also induce late PC against myocardial stunning. By using conscious rabbits (n = 120) in this study, we found that the d-opioid receptor agonist ({plus or minus}-4-(a-R\*)-a-{(2S\*,5R\*)-4-allyl-2,5-dimethyl-1-\*piperazinyl\*}-3-hydroxybenzyl-N,N-diethylbenzamide (BW-373U86) induced late PC against myocardial stunning 24 h after treatment and that this effect was abolished by the selective cyclooxygenase-2 (COX-2) inhibitors N-{2-(cyclohexyloxy)4-nitrophenyl}methanesulfonamide (NS-398) and celecoxib. This \*protective\* effect was also abrogated by the selective dl-opioid receptor antagonist 7-\*benzylidenenaltrexone\*, indicating that the dl-opioid receptor is necessary for BW-373U86-induced late PC. BW-373U86 did not induce early PC against stunning. In addition, BW-373U86 induced late PC against infarction, which was blocked by NS-398. At 24 h after BW-373U86 administration, myocardial COX-2 protein expression and PG2 and 6-keto-PGF1a levels were significantly increased. These results demonstrate that activation of d-opioid receptors induces late PC against both stunning and infarction via a COX-2-dependent mechanism. Reprinted by permission of the publisher.

5/AB/4 (Item 1 from file: 351)

DIALOG(R)File 351:Derwent WPI

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0016224818

WPI ACC NO: 2006-756461/

XRAM Acc No: C2006-234082

New neuroprotective compounds useful for treating e.g. glaucoma, optic nerve stroke, optic neuritis and anterior ischemic optic neuropathy

Patent Assignee: UNIV JOHNS HOPKINS (UYJO)

Inventor: KERRISON J B; ZACK D J

1 patents, 111 countries

Patent Family

Patent

Application

Number	Kind	Date	Number	Kind	Date	Update
WO 2006116301	A1	20061102	WO 2006US15457	A	20060424	200677 B

Priority Applications (no., kind, date): US 2005674202 P 20050422

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2006116301	A1	EN	48	6	

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BW  
BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR  
HU ID IL IN IS JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MD MG